



**Supplementary Figure 4: Cellular metal accumulation of *S. pneumoniae* and mutant variants.**

Intracellular Zn(II) accumulation of *S. pneumoniae* D39 and the *adc* mutant strains in  $\text{Zn}^{2+}$ -replete (a, c) or  $\text{Zn}^{2+}$ -restricted (b, d) CDM as determined by ICP-MS. Data correspond to mean ( $\pm$  S.E.M.)  $\mu\text{g}$  metal/g dry-cell weight from duplicate measurements of at least 3 independent biological experiments. Statistical significance was determined by a one-way ANOVA with Tukey post-test (ns corresponds to  $P$  value  $> 0.05$ ).